METEOROLOGICAL JOURNAL,

KEPT BY THE ASSISTANT SECRETARY,

AT THE APARTMENTS OF THE

ROYAL SOCIETY,

BY ORDER OF

THE PRESIDENT AND COUNCIL.

OBSERVANDA.

Height of the Cistern of the Barometer above the plinth at Waterloo Bridge....83 feet 2 inches.
_____ above the mean level of the sea .....97 feet.
Height of the receiver of the Rain Gauge above the court of Somerset House ..79 feet.
The External Thermometer is 2 feet higher than the Barometer Cistern.
The Thermometers are graduated to Fahrenheit's scale.
The Barometer is divided into inches and tenths.
The Hours of Observation are of Mean Time, the day beginning at Midnight.
The *daily* observations of the Barometer are *not* corrected.
The *monthly means* are corrected for capillarity and temperature by the Table contained in Mr. Baily's paper in *Phil. Trans.* for 1837.

METEOROLOGICAL JOURNAL FOR JULY AND AUGUST, 1840.

1840.	9 o'clock, A.M. Barometer uncorrected. Flint Glass.	9 o'clock, A.M. Barometer uncorrected. Crown Glass.	9 o'clock, A.M. Att. Ther.	3 o'clock, P.M. Barometer uncorrected. Flint Glass.	3 o'clock, P.M. Barometer uncorrected. Crown Glass.	3 o'clock, P.M. Att. Ther.	Dew Point at 9 A.M., deg. Fahr.	Diff. of Wet and Dry Bulb Thermometer.	External Thermometers. Fahrenheit. 9 A.M.	Fahrenheit. 3 P.M.	Self-registering. Lowest	Self-registering. Highest	Rain in inches. Read off at 9 A.M.	Direction of the Wind at 9 A.M.	REMARKS.
W 1	29.922	29.916	65.5	29.846	29.840	66.0	58	07.1	62.0	65.2	52.4	68.2	.133	S	Cloudy—light wind throughout the day. Evening, Overcast.
T 2	29.774	29.768	63.7	29.728	29.722	65.9	58	05.8	61.2	63.7	59.6	66.6		SE	A.M. Overcast—light rain—brisk wind, as also high wind throughout the night. P.M. Overcast—light wind. Ev. Slight rain.
F 3	29.540	29.532	64.4	29.534	29.530	65.9	58	05.2	58.8	62.9	56.5	66.5	.033	W	A.M. Overcast—light rain and wind. P.M. Fine—light clouds and wind. Evening, Overcast—light wind.
S 4	29.878	29.874	81.5	29.902	29.896	67.5	54	09.0	61.3	67.4	53.7	69.2	.080	W	A.M. Fine—lt. clds. & wind. P.M. Cldy.—brisk wind. Ev. The like.
⊙ 5	29.732	29.728	72.0	29.706	29.700	66.4	56	08.7	63.3	63.4	58.7	68.6		W	A.M. Cloudy—brisk wind throughout the night. P.M. Overcast—brisk wind, with showers. Evening, Fine and starlight.
M 6	29.810	29.804	68.0	29.686	29.678	66.9	55	07.5	62.6	63.8	53.3	75.3	.016	S var.	Cloudy—brisk wind throughout the day. Ev. Light rain—high wind.
T 7	29.634	29.630	77.2	29.706	29.698	65.8	55	07.5	59.7	64.6	50.6	71.7	.138	W	A.M. Dark heavy clouds—brisk wind, with light showers. P.M. Fine—light clouds—brisk wind. Evening, Overcast.
W 8	29.822	29.816	64.8	29.780	29.772	64.7	55	07.1	61.2	62.7	53.8	66.3	.025	SW	A.M. Cloudy—light wind. P.M. Light rain and wind. Ev. Overcast—heavy rain.
T 9	29.878	29.872	69.0	29.956	29.948	64.9	53	07.1	59.4	65.7	51.3	67.3	.500	NW	A.M. Overcast—light wind and showers. P.M. Cloudy—light wind. Evening, Fine and starlight.
F 10	29.996	29.988	64.2	29.960	29.952	63.9	53	05.9	60.3	62.0	51.3	67.7		W	A.M. Cloudy—light wind. P.M. Fine—light clouds. Ev. Cloudy.
S 11	30.002	29.998	75.0	29.976	29.970	65.2	54	08.3	60.2	62.3	52.6	66.8		NW	Fine—light clouds and wind throughout the day. Ev. The like.
⊙ 12	30.012	30.004	72.4	29.982	29.974	64.8	53	08.0	58.3	61.7	52.2	69.2		NW	A.M. Fine—lt. clouds & wind. P.M. Cloudy—lt. wind. Ev. The like.
M 13	30.012	30.004	68.3	30.088	30.080	62.9	53	05.9	55.7	59.5	49.4	62.7		NW	A.M. Cloudy—light wind. P.M. Light rain and wind. Evening, Fine and moonlight.
☾ T 14	30.316	30.310	71.2	30.294	30.286	63.7	50	07.1	59.4	68.7	50.2	70.5		SW	Fine—light clouds and wind throughout the day. Evening, Fine and moonlight.
W 15	30.304	30.300	79.9	30.220	30.212	65.8	54	09.0	63.7	72.3	57.0	77.2		S	Fine—nearly cloudless, with light breeze throughout the day. Evening, Fine and moonlight.
JULY T 16	30.152	30.148	70.7	30.026	30.018	67.2	56	09.3	66.5	72.4	56.0	74.3		S	Cloudy—light breeze throughout the day. Evening, The like.
F 17	29.998	29.992	75.7	29.926	29.918	67.3	55	08.3	62.7	67.7	52.8	74.6		SW var.	Fine—light clouds and breeze throughout the day. Ev. Overcast.
S 18	29.778	29.772	64.4	29.784	29.776	66.2	60	05.1	63.7	65.7	58.0	69.7		W	A.M. Lightly overcast—light breeze, with very fine rain. P.M. Overcast. Evening, The like. [wind.
⊙ 19	29.700	29.694	66.3	29.622	29.618	68.2	60	06.1	63.7	69.0	58.7	68.6		S	Cloudy—light wind throughout the day. Ev. Overcast—lt. rain—high
M 20	29.566	29.560	68.3	29.548	29.544	67.3	58	07.1	63.3	65.8	53.2	70.0	.091	S var.	A.M. Cloudy—light wind, with occasional showers. P.M. Cloudy—brisk wind. Evening, Fine and moonlight.
T 21	29.630	29.626	76.2	29.660	29.652	67.8	59	07.6	63.7	61.7	55.3	76.0	.066	W var.	A.M. Fine—light clouds—brisk wind. P.M. Overcast—light rain. Evening, Fine and starlight.
W 22	29.820	29.816	66.2	29.858	29.850	66.6	56	05.4	61.4	65.8	52.7	70.2	.305	W	Cloudy—light wind throughout the day. Evening, Fine & starlight.
T 23	30.032	30.024	62.8	30.056	30.048	64.0	52	06.2	59.7	60.2	53.5	72.4		W	A.M. Cloudy—very slight rain early. P.M. Cloudy—light wind. Evening, Overcast.
F 24	30.066	30.058	65.0	30.014	30.006	64.5	54	07.6	61.7	64.7	55.0	64.5		S	Cloudy—light wind throughout the day. Ev. Overcast—brisk wind.
S 25	29.814	29.806	62.6	29.772	29.764	66.0	58	05.0	60.3	66.0	58.5	67.4	.016	S	A.M. Overcast—high wind—rain early—high wind throughout the night. P.M. Slight rain. Evening, The like.
⊙ 26	29.694	29.688	63.0	29.696	29.690	64.0	56	04.4	58.8	60.0	56.3	70.2	.291	SE	A.M. Lightly overcast—heavy rain during the night. P.M. Overcast—light rain. Evening, Overcast—light showers.
M 27	29.956	29.950	64.0	29.958	29.950	65.0	58	06.9	61.0	70.2	55.3	62.4	.105	NW	A.M. Overcast—light wind. P.M. Fine—light clouds and wind. Evening, Fine and starlight.
● T 28	30.084	30.076	63.2	30.106	30.098	65.7	57	05.0	61.7	69.7	55.6	71.4		S	A.M. Overcast—lt. wind. P.M. Fine—lt. clouds & wind. Ev. Cloudy.
W 29	30.260	30.256	78.3	30.234	30.228	67.7	57	08.4	64.7	69.6	60.2	71.8		NW	A.M. Fine—nearly cloudless—lt. breeze. P.M. Cloudy. Ev. Overcast.
T 30	30.148	30.140	67.2	30.098	30.090	68.6	61	05.6	65.4	70.9	60.2	72.0		SSW	Cloudy—light wind throughout the day. Ev. Overcast—slight rain.
F 31	34.210	30.204	72.5	30.212	30.204	69.4	60	07.3	62.3	66.7	58.7	73.2	.016	NW	Fine—light clouds & wind throughout the day. Ev. Fine & starlight.
													Sum.		
MEAN.	29.921	20.915	69.1	29.901	29.894	66.0	56	06.9	61.5	65.5	54.9	69.8	1.815		Mean Barometer corrected ..... 9 A.M. 3 P.M. F. 29.817 .. 29.805 C 29.810 .. 29.797

S 1	30.278	30.272	73.9	30.216	30.210	68.0	56	07.2	63.7	71.5	53.2	72.6		NW	Fine—light clouds & wind throughout the day. Ev. Fine & starlight.
⊙ 2	30.254	30.250	76.6	30.200	30.192	69.3	60	08.0	66.7	78.0	55.3	79.0		S	Fine—lt. clouds & breeze throughout the day. Ev. Fine & starlight.
M 3	30.244	30.240	82.9	30.180	30.172	72.3	62	07.6	70.0	79.3	61.0	79.3		S	Fine—nearly cloudless throughout the day. Ev. Fine and starlight.
T 4	30.188	30.184	76.5	30.132	30.126	72.0	58	07.0	67.5	77.2	61.0	80.0		NW	A.M. Light fog. P.M. Fine—light clouds. Evening, The like.
W 5	30.150	30.196	71.0	30.098	30.094	71.0	61	05.5	67.2	71.7	59.0	68.5		SE	Fine—light clouds throughout the day. Evening, The like.
T 6	30.034	30.030	74.6	29.992	29.986	72.0	60	06.8	69.6	76.6	60.0	73.0		ENE	Fine—light clouds throughout the day. Evening, The like.
F 7	30.020	30.016	74.0	30.024	30.020	73.0	61	09.7	71.3	72.0	64.0	78.5		NE	A.M. Fine—light clouds and breeze. P.M. Lightly overcast—brisk wind. Evening, The like.
S 8	30.150	30.144	69.0	30.148	30.142	71.0	59	05.0	65.4	73.0	59.0	76.0		NNE	Fine—lt. clouds—brisk wind throughout the day. Ev. The like.
⊙ 9	30.292	30.286	70.0	30.322	30.318	69.8	54	04.4	60.2	75.5	52.4	75.5		N	A.M. Lightly overcast—light wind. P.M. Fine—light clouds and wind. Evening, The like.
M 10	30.098	30.094	74.0	29.984	29.978	72.0	58	07.3	69.5	76.5	60.0	77.0		SW	A.M. Overcast—lt. fog. P.M. Fine—lt. clouds. Ev. Lightly overcast.
T 11	29.614	29.610	68.0	29.574	29.570	69.5	60	03.0	63.5	69.0	62.0	79.7	.058	S	A.M. Ovct.—lt. wind. P.M. Fine—lt. clouds. Ev. Lightly overcast.
W 12	29.654	29.650	71.0	29.636	29.632	70.0	57	08.1	65.5	67.3	57.0	70.5	.069	WSW	A.M. Fine—light clouds and wind. P.M. Lightly overcast. Evening, Overcast—heavy rain.
☾ T 13	29.656	29.652	70.0	29.624	30.620	68.5	54	07.0	63.0	67.6	55.0	70.0	.027	SW	A.M. Overcast—light wind. P.M. Fine—light clouds—brisk wind. Evening, The like.
F 14	29.530	29.526	66.0	29.604	29.600	67.2	54	05.0	61.0	61.0	56.0	70.0	.058	W	A.M. Overcast. P.M. Overcast—heavy showers. Evening, The like.
S 15	29.818	29.814	65.0	29.832	29.828	66.0	54	05.5	61.2	65.8	53.5	67.0	.213	SW var.	A.M. Heavy clouds—brisk wind. P.M. Fine—light clouds, with occasional showers. Evening, Overcast.
AUGUST ⊙ 16	29.968	29.962	66.0	29.904	29.900	66.0	55	06.5	63.0	68.2	54.5	67.5	.072	W	Fine—light clouds nearly the whole of the day—heavy shower at 3½ P.M. Evening, Fine—light clouds.
M 17	29.206	29.202	63.0	29.264	29.260	64.5	59	02.0	59.8	59.5	58.0	72.0	.159	SE var.	A.M. Overcast—light rain—high wind. P.M. Fine—light clouds—brisk wind. Rainbow ½ p. 5. Evening, Overcast.
T 18	29.374	29.370	61.5	29.552	29.548	62.0	54	05.0	59.5	61.8	52.5	63.2	.175	W	Overcast—brisk wind throughout the day, as also the evening.
W 19	29.712	29.708	60.0	29.766	29.762	63.0	57	00.0	57.0	67.5	57.0	63.8	.369	SE	A.M. Overcast—light rain & wind nearly throughout the day. Evening, Overcast.
T 20	30.016	30.012	63.5	30.002	29.998	66.0	56	05.5	66.0	72.8	60.0	69.0	.061	S	Lightly overcast throughout the day. Evening, The like.
F 21	29.954	29.950	69.2	29.894	29.888	69.0	58	06.4	69.0	75.5	60.0	70.5		SE	A.M. Lightly overcast—light fog. P.M. Fine—light clouds and breeze. Evening, Fine—light clouds.
S 22	29.836	29.832	67.2	29.824	29.818	69.0	62	02.2	63.5	71.6	62.5	77.8		SW	A.M. Overcast—light wind. P.M. Fine—light clouds and wind. Evening, Lightly overcast.
⊙ 23	29.998	29.994	72.0	29.982	29.978	69.0	59	05.5	63.0	70.5	56.0	72.5		WSW	A.M. Heavy clouds—light wind. P.M. Fine—light clouds and wind. Evening, Dark heavy clouds—brisk wind.
M 24	30.050	30.044	70.0	29.996	29.990	68.6	57	04.0	62.5	70.2	56.0	72.5		SW	A.M. Lightly overcast—lt. wind. P.M. Fine—lt. clouds. Ev. The like.
T 25	30.038	30.034	72.0	30.000	29.994	68.2	55	06.5	63.5	70.0	54.4	73.5		WSW	A.M. Fine—light clouds. P.M. Lightly overcast. Ev. Overcast.
W 26	30.060	30.054	66.0	30.070	30.066	67.3	61	03.5	65.0	68.5	61.0	73.0		NW	Overcast—light wind throughout the day. Evening, The like.
● T 27	30.110	30.104	65.0	30.052	30.048	67.2	59	03.0	61.5	69.5	56.7	70.8		W	Overcast throughout the day, as also the evening.
F 28	30.060	30.054	65.8	30.080	30.076	67.0	61	03.0	63.5	69.6	60.0	72.0		W	A.M. Lightly overcast. P.M. Fine—lt. clouds. Evening, Lightly overcast.
S 29	30.204	30.198	66.0	30.200	30.194	67.0	60	01.1	60.9	67.2	60.0	72.0	.011	E	A.M. Overcast—light fog and haze. P.M. Lightly overcast. Evening, Light fog.
⊙ 30	30.128	30.124	68.5	30.086	30.082	69.0	62	04.5	66.8	77.5	58.0	69.0		E	A.M. Overcast—light fog. P.M. Fine—light clouds. Ev. Overcast.
M 31	30.184	30.180	66.8	30.124	30.120	68.7	59	04.0	63.0	72.0	60.0	79.5		NE	A.M. Overcast—light wind. P.M. Fine—light clouds—brisk wind. Evening, Cloudy.
													Sum.		
MEAN.	29.964	29.961	69.2	29.947	29.942	68.5	58	05.2	64.3	70.8	57.9	72.7	1.272		Mean Barometer corrected..... 9 A.M. 3 P.M. F. 29.859 .. 29.844 C. 29.855 .. 29.838

METEOROLOGICAL JOURNAL FOR SEPTEMBER AND OCTOBER, 1840.

1840.	9 o'clock, A.M. Barometer uncorrected. Flint Glass.	9 o'clock, A.M. Barometer uncorrected. Crown Glass.	9 o'clock, A.M. Att. Ther.	3 o'clock, P.M. Barometer uncorrected. Flint Glass.	3 o'clock, P.M. Barometer uncorrected. Crown Glass.	3 o'clock, P.M. Att. Ther.	Dew Point at 9 A.M., deg. Fahr.	Diff. of Wet and Dry Bulb Thermometer.	External Thermometers. Fahrenheit. 9 A.M.	Fahrenheit. 3 P.M.	Self-registering. Lowest	Self-registering. Highest	Rain in inches. Read off at 9 A.M.	Direction of the Wind at 9 A.M.	REMARKS.
SEPTEMBER															
T 1	30.034	30.026	66.7	29.904	29.896	69.7	63	04.0	65.9	74.0	54.3	72.9		N	A.M. Cloudy—light wind. P.M. Fine—nearly cloudless—light wind. Evening, Fine and starlight.
W 2	29.756	29.748	77.9	29.674	29.668	71.6	66	06.8	69.8	70.7	63.9	76.2		S	A.M. Fine—nearly cloudless. P.M. Fine—light clouds and wind. Evening, Overcast—heavy rain.
T 3	29.664	29.656	66.8	29.748	29.740	68.2	61	06.0	60.3	62.7	56.3	75.7	.236	W	A.M. Overcast—lt. wind—rain early. P.M. Fine—lt. clouds and wind. Ev. Fine & starlight. [Fine and starlight.
F 4	29.826	29.818	69.7	29.826	29.818	65.3	58	07.2	61.8	60.4	52.6	64.2		S	A.M. Cloudy—light wind. P.M. Cloudy—light rain and wind. Ev.
S 5	30.012	30.004	66.3	30.042	30.034	65.3	57	05.7	60.0	65.2	51.2	64.8	.122	W	A.M. Light haze and wind. P.M. Cloudy—light wind. Evening, Fine and starlight.
⊙ 6	30.276	30.268	69.0	30.228	30.220	64.7	55	05.6	59.8	68.3	50.8	67.2		S	A.M. Fine—nearly cloudless. P.M. Fine—light clouds. Ev. Cloudy.
M 7	30.132	30.124	68.5	30.088	30.080	65.7	58	06.3	62 6	65.8	57.3	69.8		SW	A.M. Fine—light clouds and wind. P.M. Cloudy—light rain and wind. Evening, Cloudy.
T 8	30.180	30.172	68.0	30.158	30.150	65.0	56	04.5	58.4	64.7	52.3	68.0		NW	A.M. Fine—nearly cloudless—light fog. P.M. Thick haze. Evening, Cloudy—very slight rain.
W 9	30.044	30.036	62.8	29.996	29.988	63.8	57	05.2	62.3	65.8	56.7	66.7		S	Overcast—brisk wind throughout the day, as also the evening.
T 10	30.014	30.006	64.0	30.020	30.012	65.2	59	05.2	61.3	65.7	60.7	68.0	.041	WNW	A.M. Overcast—rain early—high wind throughout the night. P.M. Fine—light clouds. Evening, Fine and starlight.
○ F 11	29.994	29.986	61.9	29.952	29.944	63.7	55	03.8	60.0	62.8	51.9	66.8		SW	Fine—light clouds and breeze throughout the day. Evening, Fine and starlight.
S 12	30.024	30.016	66.4	29.966	29.958	61.5	52	05.9	56.8	60.8	47.2	65.3		W	Fine—lt. clouds and wind throughout the day. Ev. Fine and clear.
⊙ 13	29.900	29.894	64.9	29.764	29.758	60.0	48	05.9	53.8	58.6	45.2	62.2		SW	A.M. Light Fog. P.M. Fine—light clouds. Evening, The like.
M 14	29.474	29.466	55.9	29.308	29.300	57.9	49	06.1	54.3	53.2	46.0	60.7		S	A.M. Overcast—light wind. P.M. Overcast—light rain and wind—great depression in barometer. Evening, Heavy rain.
T 15	29.314	29.306	67.3	29.306	29.300	57.4	50	04.0	51.2	54.3	45.9	59.4	.283	W	Fine—light clouds and wind throughout the day. Evening, Overcast—light rain—high wind.
W 16	28.892	28.888	62.4	28.858	28.852	57.7	49	06.8	55.7	53.8	46.9	60.8	.130	S	A.M. Fine—lt. clouds & wind. P.M. Overcast—lt. showers—brisk wind. Ev. Fine and starlight. [and starlight.
T 17	29.550	29.542	60.7	29.660	29.652	56.6	48	06.2	55.3	58.2	45.7	60.0	.111	SW var.	Fine—light clouds—brisk wind throughout the day. Evening, Fine
F 18	29.896	29.890	55.3	29.888	29.880	55.0	45	05.3	51.3	57.7	41.7	59.3		W	A.M. Fine—light clouds and fog. P.M. Fine—light clouds & wind —¼ past 5, rainbow, with slight rain. Evening, Fine and clear.
S 19	29.880	29.872	56.3	29.908	29.900	56.2	49	04.6	53.3	54.6	49.3	59.7		NNW	A.M. Fine—light clouds—high wind. P.M. Cloudy—brisk wind. Ev. Fine and starlight. [Fine and starlight.
⊙ 20	30.036	30.028	52.3	30.036	30.030	54.0	44	05.9	51.3	55.0	42.4	56.6		WNW	A.M. Fine—nearly cloudless—lt. fog. P.M. Overcast—lt. wind. Ev.
M 21	30.026	30.018	55.0	29.946	29.938	56.0	45	05.3	54.5	58.8	45.0	57.8		S	A.M. Fine—light clouds and wind. P.M. Cloudy—light brisk wind. Evening, Cloudy—light rain.
T 22	29.500	29.494	55.4	29.500	29.496	55.3	50	04.8	55.2	49.7	52.4	62.5	.083	S	Overcast—lt. rain—high wind nearly the whole day. Ev. Cloudy.
W 23	29.402	29.396	52.3	29.498	29.492	54.7	45	04.8	51.4	57.0	44.6	56.7	.333	WSW	A.M. Fine—light clouds—brisk wind. P.M. Fine—dark clouds—brisk wind. Evening, Fine and starlight.
T 24	29.530	29.522	53.0	29.574	29.566	54.9	48	04.8	53.2	56.3	48.0	58.8		E	A.M. Fine—light clouds and fog. P.M. Cloudy, with occasional light showers. Evening, Overcast—light rain.
● F 25	29.796	29.788	53.3	29.944	29.936	54.8	49	02.3	50.2	54.3	50.0	59.3	.097	NW	A.M. Overcast—lt. rain & wind. P.M. Cloudy—brisk wind. Ev. Lt. fog.
S 26	30.062	30.054	53.4	29.966	29.958	55.0	46	03.0	50.7	57.7	45.4	56.5	.019	SW	A.M. Fine—light clouds and wind. P.M. Cloudy—light rain and wind. Evening, Overcast—light rain and wind.
⊙ 27	30.014	30.006	55.7	29.980	29.976	57.0	48	04.5	55.4	61.8	49.0	60.6	.130	S	A.M. Fine—lt. clouds. P.M. Lightly overcast. Ev. Fine & starlight.
M 28	29.790	29.782	55.4	29.654	29.648	57.2	52	04.4	56.3	58.0	51.3	63.8		SE	Overcast—high wind, with light rain nearly the whole of the day, as also the evening.
T 29	29.624	20.618	58.2	29.630	29.624	58.5	53	04.4	55.5	56.3	50.2	60.3	.269	S	A.M. Fine—nearly cloudless—brisk wind. P.M. Fine—light clouds. Evening, Fine and starlight.
W 30	29.998	29.990	55.5	30.004	29.996	57.2	49	04.7	52.8	56.4	46.3	59.0		W	A.M. Fine—light clouds and wind. P.M. Cloudy—light wind. Evening, Dark heavy clouds.
													Sum.		
MEAN.	29.821	29.814	61.0	29.801	29.794	60.2	52	05.1	57.3	60.0	50.0	63.3	1.854	Mean Barometer corrected	9 A.M. 3 P.M. F. 29.738 .. 29.721 C. 29.730 .. 29.713
OCTOBER															
T 1	30.022	30.016	55.2	30.044	30.036	56.2	50	04.6	55.3	57.3	51.7	57.7		S	Overcast—light fog and wind throughout the day, as also the evening.
F 2	30.172	30.164	55.3	30.172	30.164	57.6	52	04.1	53.7	57.7	51.3	58.7		W	A.M. Cloudy—light wind. P.M. Fine—light clouds. Evening, Fine and starlight.
S 3	30.194	30.186	53.8	30.148	30.140	54.9	46	03.3	47.7	52.5	44.3	59.0		NW	A.M. Fine—lt. clouds & wind. P.M. Cloudy—lt. wind. Ev. The like.
⊙ 4	30.084	30.076	53.3	30.080	30.074	55.5	49	02.8	51.2	55.0	46.3	54.6		NNW	A.M. Lightly overcast—slight rain—brisk wind. P.M. Heavy clouds —light wind. Evening, Fine and starlight.
M 5	30.100	30.092	52.2	30.078	30.070	53.4	48	03.0	49.5	49.4	46.4	57.2		NW	A.M. Ovct.—lt. wind. P.M. Cloudy—lt. showers. Ev. Fine & starlight.
T 6	30.126	30.118	51.0	30.118	30.110	53.2	45	02.6	45.4	52.4	42.6	55.3	.116	NW	Cloudy—light fog and wind throughout the day. Evening, Fine and starlight—frosty.
W 7	30.114	30.106	49.5	30.116	30.108	51.2	42	02.6	43.7	52.8	39.0	53.6		SSW	A.M. Fine—light clouds, with light fog and wind. P.M. Cloudy—light wind. Evening, Fine and starlight—light fog.
T 8	30.266	30.258	48.0	30.252	30.244	48.7	41	02.4	40.7	50.3	36.8	53.9		S	A.M. Fine & cloudless—lt. fog. P.M. Foggy. Ev. Fine & moonlight.
F 9	30.326	30.318	46.7	30.282	30.276	48.0	39	02.4	40.3	53.8	40.0	51.6		WSW	A.M. Thick fog—light wind. P.M. Fine—nearly cloudless. Ev. Fine and moonlight—light fog.
S 10	30.318	30.310	46.7	30.292	30.284	48.8	41	03.4	45.7	55.2	39.8	55.4		N	A.M. Thick fog—lt. wind. P.M. Fine—nearly cloudless. Ev. Fine and starlight—light fog. [Fine & moonlight.
○⊙ 11	30.400	30.392	49.3	30.408	30.402	51.8	46	03.4	52.5	57.5	44.4	56.7		NE	A.M. Lightly overcast—light fog and wind. P.M. Fine—lt. wind. Ev.
M 12	30.604	30.596	49.6	30.592	30.584	51.6	46	02.9	50.3	55.7	44.7	59.3		N	Fine—nearly cloudless—light wind throughout the day. Evening, Fine and moonlight—light fog.
T 13	30.590	30.582	48.8	30.530	30.522	50.7	43	02.1	43.2	55.2	42.2	57.3		NNW	A.M. Thick fog—light wind. P.M. Fine—light clouds and wind. Evening, Fine and moonlight—light fog.
W 14	30.404	30.398	48.6	30.308	30.300	50.4	42	01.2	43.2	58.8	39.7	56.6		SW	Fine—nearly cloudless—light fog throughout the day. Evening, Fine and moonlight—light fog.
T 15	30.258	30.250	50.4	30.152	30.144	51.3	42	02.3	43.7	53.8	41.9	60.7		S	A.M. Fine—light fog. P.M. Hazy—light fog. Ev. Cloudy—light fog.
F 16	29.936	29.928	50.3	29.830	29.822	51.8	46	03.5	48.3	55.3	42.0	54.8		S	A.M. Light clouds and wind. P.M. Overcast—light wind. Evening, Overcast—light rain.
S 17	29.812	29.804	53.0	29.900	29.892	53.8	49	02.5	54.8	53.3	48.0	56.7	.066	NW	Lightly overcast—light wind throughout the day. Evening, Overcast—deposition.
⊙ 18	30.026	30.018	52.2	29.936	29.932	53.0	47	02.5	50.8	53.5	49.0	56.8		SSW	Overcast throughout the day. Ev. Overcast—light rain—brisk wind.
M 19	29.704	29.698	53.3	29.726	29.718	54.3	48	05.2	53.5	54.8	49.0	55.7	.133	NW	A.M. Cloudy—brisk wind. P.M. Fine—light clouds—brisk wind. Evening, Fine and starlight—high wind.
T 20	30.100	30.094	51.3	30.104	30.096	52.2	45	04.8	47.7	52.8	45.8	56.6		NW	A.M. Fine and cloudless—brisk wind. P.M. Fine—light clouds and wind. Evening, Fine and starlight.
W 21	30.156	30.150	49.7	30.120	30.112	51.0	41	04.0	45.7	51.8	42.2	54.6		NW	Fine—light clouds and wind throughout the day. Ev. Overcast.
T 22	29.904	29.898	50.0	29.856	29.848	50.8	45	02.1	48.8	51.7	44.8	52.8		S	Overcast—slight rain—light wind throughout the day. Evening, Fine and starlight. [Ev. The like.
F 23	29.960	29.952	49.6	29.856	29.848	52.0	42	02.4	45.2	52.2	43.7	52.7	.036	SW	A.M. Fine—lt. clouds & wind. P.M. Overcast—light rain and wind.
S 24	29.556	29.548	49.6	29.556	29.548	50.2	43	03.2	45.2	47.2	42.5	53.2	.286	W	A.M. Fine—light clouds—brisk wind. P.M. Fine—light clouds—at 2 P.M. heavy shower of hail. Evening, Fine and starlight.
● ⊙ 25	29.784	29.776	47.0	29.832	29.826	47.7	38	03.2	42.2	48.2	39.3	50.6	.102	NW	Fine—nearly cloudless—light wind throughout the day. Evening. Fine and starlight. [cast—lt. rain.
M 26	29.886	29.878	44.3	29.826	29.818	46.2	37	02.0	39.2	47.8	35.4	49.3		W	A.M. Overcast—lt. fog and wind. P.M. Lightly overcast. Ev. Overcast—light rain and wind, as also throughout the night.
T 27	29.178	29.172	48.7	29.152	29.146	49.5	45	01.9	51.3	49.3	38.6	52.8	.302	S	P.M. Cloudy—light wind. Evening, Fine and starlight.
W 28	29.136	29.130	46.8	29.210	29.202	49.0	42	02.0	42.7	47.9	41.3	52.3	.061	S	A.M. Fine—light clouds & wind—rain early. P.M. Lightly cloudy. Evening, Overcast—light rain. [Overcast—lt. fog.
T 29	29.340	29.336	46.7	29.310	29.304	47.7	43	01.2	45.6	47.2	41.4	49.4	.033	NE	Overcast—very fine rain—light wind nearly the whole of the day. Ev.
F 30	29.522	29.514	47.4	29.528	29.522	49.7	44	02.3	47.3	51.7	40.3	49.6	.338	E	A.M. Fine—light clouds and wind. P.M. Fine, with occasional showers. Evening, Fine and starlight.
S 31	29.564	29.558	48.5	29.564	29.558	50.7	45	02.0	47.3	51.5	43.2	52.8		ENE	A.M. Lightly overcast—light wind. P.M. Fine—light clouds. Evening, Fine and starlight.
													Sum.		
MEAN.	29.985	29.978	50.0	29.932	29.924	51.4	44	02.8	47.2	52.7	43.2	54.8	1.473	Mean Barometer corrected	9 A.M. 3 P.M. F. 29.931 .. 29.875 C. 29.923 .. 29.866

METEOROLOGICAL JOURNAL FOR NOVEMBER AND DECEMBER, 1840.

1840.	9 o'clock, A.M. Barometer uncorrected. Flint Glass.	9 o'clock, A.M. Barometer uncorrected. Crown Glass.	9 o'clock, A.M. Att. Ther.	3 o'clock, P.M. Barometer uncorrected. Flint Glass.	3 o'clock, P.M. Barometer uncorrected. Crown Glass.	3 o'clock, P.M. Att. Ther.	Dew Point at 9 A.M., deg. Fahr.	Diff. of Wet and Dry Bulb Ther.	External Thermometers. Fahrenheit. 9 A.M.	Fahrenheit. 3 P.M.	Self-registering. Lowest	Self-registering. Highest	Rain in inches. Read off at 9 A.M.	Direction of the Wind at 9 A.M.	REMARKS.
NOVEMBER															
⊙ 1	29.644	29.638	48.8	29.488	29.484	50.0	47	01.7	47.2	50.5	44.9	53.7		E	Overcast—deposition—lt. wind throughout the day. Evening, Light rain—high wind.
M 2	29.538	29.532	50.4	29.544	29.538	51.8	46	03.5	51.2	54.7	46.5	53.3	.050	SE	A.M. Fine—lt. clouds—high wind—very high wind throughout the night. P.M. Fine—lt. clouds and wind. Ev. Fine & starlight.
T 3	29.432	29.428	51.3	29.398	29.394	52.4	48	02.0	51.5	54.0	47.6	56.4		NE	A.M. Lightly overcast. P.M. Fine—light clouds. Ev. Overcast.
W 4	29.288	29.282	51.8	29.292	29.286	53.2	49	01.3	50.3	53.3	49.0	55.6	.052	S	A.M. Overcast—deposition—lt. fog and wind—rain during the night. P.M. Fine—light clouds. Evening, Fine and starlight.
T 5	29.202	29.196	51.9	29.296	29.292	53.4	49	02.1	50.3	52.5	48.8	55.8	.302	S	A.M. Dark heavy clouds—high wind—heavy rain early. P.M. Fine —light clouds and wind. Ev. Overcast—light rain—brisk wind.
F 6	29.056	29.050	50.6	28.980	28.976	51.4	45	02.0	47.3	48.7	45.8	54.4	.133	SE	A.M. Overcast—light rain—high wind, with occasional rain. P.M. Fine—light clouds and wind. Ev. Overcast—rain—high wind.
S 7	29.138	29.132	51.4	29.168	29.162	52.3	47	02.3	48.8	50.4	48.0	51.7	.286	SSW	A.M. Fine—light clouds and wind—very high wind throughout the night. P.M. Fine—lt. clouds—occasional rain. Ev. Fine & starlight.
⊙ 8	29.360	29.352	49.7	29.358	29.352	51.0	45	02.9	47.0	51.5	44.7	55.3	.083	S	Fine & cloudless throughout the day. Ev. Fine & moonlight—lt. wind.
○M 9	29.106	29.100	49.9	29.142	29.136	51.2	46	03.5	48.8	51.7	46.0	53.8	.091	S	A.M. Fine—nearly cloudless—brisk wind—very high wind early, with rain. P.M. Cloudy—light rain. Ev. Overcast—light rain.
T 10	29.074	29.070	49.3	29.166	29.158	50.2	45	01.9	44.5	48.8	44.2	53.5	.105	SSW	Fine—light clouds & wind throughout the day. Ev. Fine & starlight.
W 11	29.332	29.326	47.3	29.166	29.160	48.8	43	01.9	44.2	45.3	42.2	50.3		S	A.M. Lt. fog & wind—P.M. Overcast—lt. rain & wind. Ev. Overcast.
T 12	29.528	29.520	46.6	29.534	29.528	47.4	40	01.7	41.3	46.8	40.6	49.8	.114	S	Fine—light clouds and wind throughout the day. Ev. Lightly overcast.
F 13	28.828	28.822	47.8	28.606	28.600	50.2	45	02.0	48.7	51.7	41.7	51.0	.272	S	A.M. Fine—lt. clds.—hi. wind—rain, with very hi. wind throughout the night. P.M. Dk. clds.—hail & rain—hi. wi. Ev. Overct.—lt. rain.
S 14	29.044	29.038	48.7	29.160	29.154	49.4	44	03.1	46.2	48.4	45.0	53.4	.230	S	Fine—nearly cloudless throughout the day. Ev. Fine and moonlight.
⊙15	29.512	29.504	46.2	29.550	29.546	47.0	39	01.6	39.3	45.2	38.6	50.6		S	A.M. Fine—nearly cloudless—light wind. P.M. Overcast. Ev. Overcast—light rain. Ev. Lightly overcast.
M 16	29.084	29.076	48.7	29.200	29.194	52.0	49	01.9	55.5	57.3	38.5	57.9	.083	SW var.	A.M. Overcast—light rain—very high wind. P.M. Fine—light clouds.
T 17	29.600	29.594	51.3	29.454	29.448	51.3	47	02.6	48.2	45.3	46.7	60.6		S var.	Overcast—light wind, with occasional rain throughout the day. Ev. Light rain—very high wind.
W 18	29.814	29.806	49.0	29.752	29.748	47.3	43	03.1	41.2	36.3	41.4	54.6	.447	NW	A.M. Overcast—light rain—brisk wind. P.M. Snow and rain—brisk wind. Ev. Rain and wind. Ev. Fine and starlight.
T 19	29.800	29.796	44.4	29.852	29.846	45.6	41	01.4	39.8	43.3	37.2	42.4	.450	N	A.M. Overcast—light rain and wind. P.M. Cloudy—light wind.
F 20	30.112	30.104	42.0	30.090	30.082	43.6	33	02.9	35.7	42.8	35.0	44.7		NW	Fine—light clouds and wind throughout the day. Ev. fine & starlight.
S 21	29.526	29.518	42.8	29.218	29.210	44.6	41	01.9	43.3	46.0	35.0	44.3	.033	S	A.M. Overcast—light rain—high wind. P.M. Cloudy—high wind. Ev. Overcast—light rain—very high wind.
⊙22	29.794	29.786	43.2	29.920	29.916	44.0	38	03.3	40.3	42.3	40.0	47.3	.211	NNW	Fine—light clouds—high wind throughout the day—very high wind during the night. Ev. fine and starlight.
M 23	30.070	30.062	41.2	30.000	29.994	43.0	33	02.6	38.4	45.3	35.6	43.5		S	Overcast—light wind and rain nearly the whole of the day. Ev. lt. fog.
● T 24	30.140	30.134	46.3	30.220	30.212	47.9	43	01.6	50.0	52.0	38.2	51.2		W	A.M. Cloudy—light fog and wind. P.M. Fine—light clouds and wind. Ev. Fine and starlight.
W 25	30.424	30.416	45.0	30.426	30.418	46.0	40	01.6	41.0	46.0	38.3	54.3		N	A.M. Thick fog—light wind. P.M. Cloudy—light wind. Ev. Fine and starlight.
T 26	30.460	30.452	42.0	30.416	30.408	42.3	35	02.3	37.4	43.3	36.0	47.0		E	A.M. Light fog & wind. P.M. Fine—light clouds. Ev. Fine & starlight.
F 27	30.430	30.424	41.0	30.412	30.404	41.4	35	01.5	34.5	43.8	34.3	44.0		N	A.M. Thick fog—light wind—white frost. P.M. Fine—light clouds. Ev. Light fog.
S 28	30.406	30.398	39.7	30.374	30.366	39.2	35	01.0	32.8	37.7	32.8	44.5		NE	Thick fog nearly the whole of the day. Ev. Dense fog—sharp frost.
⊙29	30.336	30.328	37.3	30.248	30.242	38.6	32	01.1	30.8	42.2	30.3	39.3		NE	A.M. Thick fog—white frost. P.M. Overcast—light fog. Ev. Cloudy.
M 30	30.084	30.076	40.3	30.054	30.048	42.8	35	02.2	46.7	51.8	30.3	47.7		S	Overcast—deposition—light wind throughout the day, as also the evening.
MEAN.	29.639	29.632	46.5	29.616	29.610	47.6	42	02.2	44.1	47.6	40.8	50.7	Sum. 2.942		Mean Barometer corrected ..... 9 A.M. 3 P.M. F. 29.595 .. 29.569 C. 29.587 .. 29.562
DECEMBER															
T 1	29.960	29.952	47.5	30.000	29.992	48.9	45	01.4	51.7	53.5	45.8	52.8		SE var.	Overcast——light wind throughout the day, as also the evening.
W 2	30.188	30.180	47.9	30.248	30.240	48.0	42	02.8	44.6	46.2	44.7	55.5		WNW	Cloudy—light wind throughout the day. Evening, Fine & starlight.
T 3	30.538	30.530	43.0	30.036	30.028	43.3	36	01.9	36.3	40.5	35.7	47.4		NW	A.M. Fine—nearly cloudless—lt. wind. P.M. Light fog. Evening, Fine and moonlight.
F 4	30.480	30.472	40.3	30.436	30.428	40.6	33	01.3	32.8	38.3	32.5	42.3		SW	A.M. Light fog—white frost. P.M. Light fog. Ev. Overcast—lt. fog.
S 5	30.466	30.458	40.9	30.306	30.298	41.6	34	02.4	39.4	42.8	32.7	41.0		SW	Light fog and wind throughout the day—air frosty. Evening, Overcast—light fog.
⊙ 6	30.186	30.178	41.8	30.100	30.094	42.2	35	01.4	40.8	42.2	38.6	43.5		E	A.M. Thick fog—light wind. P.M. Overcast—lt. wind. Evening, Fine and starlight.
M 7	29.808	29.800	40.9	29.646	29.640	41.5	35	02.0	39.2	38.3	35.2	43.7		E	Lightly overcast—lt. brisk wind throughout the day, also the evening.
T 8	29.230	29.224	39.9	29.254	29.248	41.3	34	02.6	39.7	43.2	34.2	40.3		E	Overcast—light brisk wind, with occasional light rain during the day. Evening, Fine and moonlight.
○W 9	29.738	29.730	40.4	29.854	29.848	41.0	35	01.3	36.3	41.3	36.2	44.3	.066	S	Fine—lt. clouds and wind throughout the day. Ev. Fine & moonlight.
T 10	29.970	29.962	40.0	29.936	29.928	41.3	38	01.3	40.8	43.2	36.2	42.0		E	Light fog, with lt. deposition throughout the day. Ev. Lightly cloudy.
F 11	29.958	29.950	40.2	29.940	29.934	39.9	36	01.9	37.6	36.0	35.2	45.0		ENE	Overcast—brisk wind throughout the day, as also the evening.
S 12	30.124	30.116	39.5	30.176	30.168	39.8	34	02.6	38.5	38.3	36.0	39.2		N	Light fog and wind throughout the day. Evening, The like.
⊙13	30.282	30.276	38.2	30.280	30.272	37.9	33	02.5	33.8	34.3	33.7	39.7		N	Overcast—brisk wind throughout the day. Ev. The like, with lt. fog.
M 14	30.236	30.228	34.0	30.220	30.212	33.2	25	*frozen*	27.3	29.8	27.3	35.4		N	A.M. Light clouds and wind—sharp frost. P.M. Fine—light clouds and wind. Evening, Overcast—sharp frost.
T 15	30.276	30.268	32.3	30.242	30.234	32.3	25	*ditto*	27.0	27.3	27.3	31.3		N	A.M. Overcast—light snow. P.M. Fine—light clouds. Evening, Fine and starlight.
W 16	30.132	30.124	29.8	29.966	29.958	30.8	25	*ditto*	28.3	30.3	24.0	28.5		NW	Overcast—light snow—brisk wind throughout the day. Ev. The like.
T 17	29.772	29.766	32.5	29.766	29.758	32.8	28	*ditto*	31.4	24.3	27.7	34.6		NE	A.M. Overcast—light snow—brisk wind. P.M. Fine—light clouds and wind. Evening, Overcast—sharp frost.
F 18	29.614	29.608	29.6	29.494	29.488	31.8	25	*ditto*	28.3	35.2	21.2	31.7		N	A.M. Overcast—brisk wind—slight thaw. P.M. Overcast—continued thaw. Evening, Overcast—snow and wind.
S 19	29.588	29.580	31.8	29.568	29.560	33.0	27	*ditto*	31.3	35.0	29.2	35.5		N	Overcast—light wind, with frost throughout the day. Evening, Overcast—thaw.
⊙20	29.840	29.832	34.0	29.950	29.944	34.9	29	02.4	35.8	36.3	29.3	36.3		N	Overcast—light brisk wind throughout the day. Evening, The like.
M 21	30.262	30.254	35.9	30.278	30.270	36.7	30	02.2	35.6	36.2	35.0	37.2		NE	A.M. Overcast—high wind. P.M. Fine—light clouds—high wind. Evening, Overcast—high wind.
T 22	30.344	30.336	35.4	30.298	30.290	34.8	28	*frozen*	32.2	32.3	32.3	37.3		ENE	A.M. Cloudy—high wind—sharp frost. P.M. Fine—light clouds and wind. Evening, Overcast—light fog. [—lt. clouds.
● W 23	30.176	30.170	31.7	30.094	30.086	33.2	25	*ditto*	27.5	33.8	26.9	32.8		NNW	A.M. Light fog & wind. P.M. Fine—lt. clouds. Ev. Fine & starlight
T 24	30.100	30.092	32.0	30.120	30.112	33.5	28	*ditto*	32.3	35.8	27.0	34.4		NNW	A.M. Overcast—brisk wind—sharp frost. P.M. Fine—light clouds. Evening, Fine and starlight.
F 25	30.328	30.320	34.0	30.342	30.338	33.0	28	*ditto*	30.0	33.0	28.9	36.7		N	Light fog and wind, with sharp frost throughout the day. Evening, Thick fog—sharp frost.
S 26	30.562	30.554	30.7	30.574	30.568	31.0	25	*ditto*	29.0	30.2	25.0	33.4		NW	Overcast—light wind throughout the day. Ev. Lt. fog—sharp frost.
⊙27	30.656	30.650	31.5	30.590	30.584	32.0	26	*ditto*	32.3	34.4	29.2	32.6		NW	A.M. Light fog and wind—sharp frost. P.M. Overcast—thaw. Evening, Overcast.
M 28	30.408	30.400	32.3	30.342	30.334	32.9	28	*ditto*	30.3	32.8	29.4	35.3		E	A.M. Overcast—lt. wind. P.M. Light fog & wind. Ev. The like.
T 29	30.256	30.248	31.2	30.246	33.240	31.8	26	*ditto*	26.4	32.3	24.2	33.0		S	Light fog and wind, with sharp frost throughout the day. Evening, Overcast—rapid thaw—rain.
W 30	30.406	30.398	31.8	30.310	30.304	32.3	27	*ditto*	27.8	34.2	26.2	37.6		S	A.M. Light fog & wind. P.M. Fine—lt. clouds. Ev. Overcast—lt. rain.
T 31	29.886	29.878	34.0	29.930	29.924	36.5	30	01.3	41.3	43.0	28.5	42.0	.347	W	A.M. Overcast—light fog and rain. P.M. Fine—light clouds and wind. Evening, Overcast—light rain.
MEAN.	30.121	30.114	36.3	30.082	30.075	36.9	31	01.9	34.4	36.6	31.5	38.8	Sum. .413		Mean Barometer corrected ..... 9 A.M. 3 P.M. F. 30.104 .. 30.064 C. 30.096 .. 30.056